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(54) Title: PROCESS FOR PREPARING THIAZOLIDINEDIONES

(57) Abstract: This invention provides a process for reducing an exocyclic double bond at the 5-position of a thiazolidinedione moiety of a thiazolidinedione precursor comprising the steps of: a) preparing a solution or suspension of the thiazolidinedione precursor in a non-ether solvent medium with a base, and b) combining the solution or suspension with a dithionite source. Preferred solvent media include aqueous N,N-dimethylformamide. Sodium dithionite is a preferred dithionite source. In particular the application discloses preparation processes for Pioglitazone, Rosilitazone and Troglitazone.